EXPERIMENT 1.1.1 – Area of Circle

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Algorithm:

Start

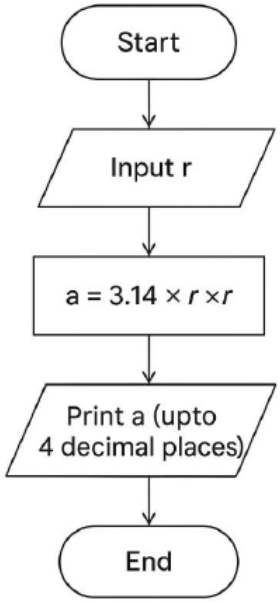
Input: Read the radius (r).

Process: Calculate the area by multiplying 3.14 * r * r.

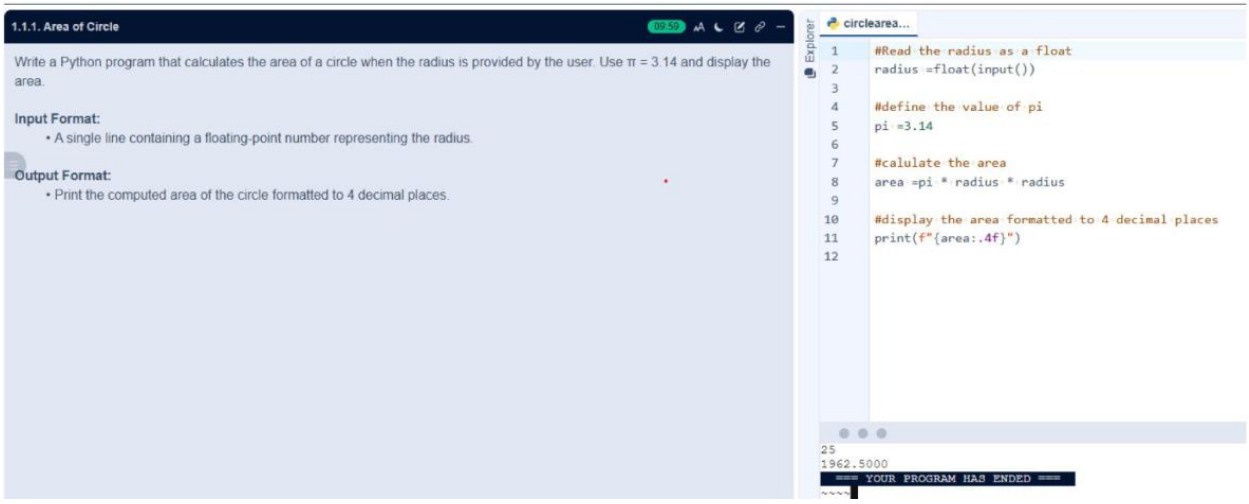
Output: Print the result (formatted to 4 decimal places).

Stop

Flowchart:



Code:


1.1.1. Area of Circle
05:50
Write a Python program that calculates the area of a circle when the radius is provided by the user. Use π = 3.14 and display the area.
Input Format:
• A single line containing a floating-point number representing the radius.
Output Format:
• Print the computed area of the circle formatted to 4 decimal places.
Explorer
circlearea...
#Read the radius as a float
radius =float(input())
#define the value of pi
pi =3.14
#calulate the area
area =pi * radius * radius
#display the area formatted to 4 decimal places
print(f"{area:.4f}")
25
1962.5000
==== YOUR PROGRAM HAS ENDED ====